
ML277

产品编号: D51662

CAS: 1401242-74-7

分子式: C₂₃H₂₅N₃O₄S₂

纯度: ≥98%

InChi: InChi=1S/C₂₃H₂₅N₃O₄S₂/c1-16-6-12-19(13-7-16)32(28,29)26-14-4-3-5-21(26)22(27)25-23-24-20(15-31-23)17-8-10-18(30-2)11-9-17/h6-13,15,21H,3-5,14H2,1-2H3,(H,24,25,27)/t21-/m1/s1

InChi Key: OXQNLLVUVD AHC-OAQYLSRUSA-N

Smiles: CC1C=CC(=CC=1)S(=O)(=O)N1CCCC[C@@H]1C(=O)NC1=NC(=CS1)C1C=CC(=CC=1)OC

外观: 固体粉末

作用通路: Potassium Channel

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: ML277 is a potent activator of KCNQ1 (Kv7.1) channels with >100-fold selectivity versus KCNQ2 and KCNQ4 and no activity against the hERG potassium channel up to 30 μM. KCNQ1 is a voltage-gated potassium channel required for repolarization phase of the cardiac action potential. ML277 is the first selective and potent activator found, with an EC₅₀ of 260 nM.